

Utah NonMetro Occupational Projections 2002 - 2012

			Employment			Annual Openings		Hourly Wage				
SOC Code			STARS	2002	2012	Growth	Replace-ments	Total	Entry	Average	Training Level	
11-0000 Management Occupations					15,400	20,480	520	290	800			
11-1000 Top Executives					5,210	7,030	180	100	280			
11-1011	Chief Executives			5	1,060	1,380	30	20	50	\$16.00	\$45.10	Experience plus Degree
11-1021	General and Operations Managers			4	3,670	4,970	130	70	200	\$15.10	\$29.07	Experience plus Degree
11-1031	Legislators			2	480	680	20	10	30			Experience plus Degree
11-2000 Advertising, Marketing, Promotions, Public Relations, and Sales Managers					940	1,350	40	20	60			
11-2011	Advertising and Promotions Managers			4	170	230	10	0	10	\$13.00	\$25.20	Experience plus Degree
11-2021	Marketing Managers			5	210	290	10	0	10	\$19.30	\$38.30	Experience plus Degree
11-2022	Sales Managers			4	470	710	20	10	30	\$15.60	\$30.40	Experience plus Degree
11-2031	Public Relations Managers			1	90	120	0	0	0	\$13.20	\$24.20	Experience plus Degree
11-3000 Operations Specialties Managers					2,470	3,270	80	50	120			
11-3011	Administrative Services Managers			3	560	760	20	10	30	\$11.10	\$19.40	Experience plus Degree
11-3021	Computer and Information Systems Managers			5	200	300	10	0	10	\$19.90	\$31.30	Experience plus Degree
11-3031	Financial Managers			5	890	1,180	30	10	40	\$16.60	\$30.00	Experience plus Degree
11-3040	Human Resources Managers			3	220	270	10	0	10	\$16.40	\$26.50	Experience plus Degree
11-3051	Industrial Production Managers			4	250	310	10	10	10	\$21.20	\$34.70	Bachelor's degree
11-3061	Purchasing Managers			1	160	190	0	0	10	\$14.20	\$23.50	Experience plus Degree
11-3071	Transportation, Storage, and Distribution Managers			5	190	260	10	0	10	\$15.90	\$24.40	Related Work Experience
11-9000 Other Management Occupations					6,790	8,840	210	130	340			
11-9011	Farm, Ranch, and Other Agricultural Managers			3	750	780	0	10	20	\$15.20	\$24.40	Experience plus Degree
11-9012	Farmers and Ranchers			1	400	310	0	0	0			Long-term on-the-job training
11-9021	Construction Managers			4	1,040	1,440	40	20	60	\$18.60	\$26.00	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program			2	130	190	10	0	10	\$10.80	\$14.80	Experience plus Degree
11-9032	Education Administrators, Elementary and Secondary School			5	310	450	10	10	20	\$58,800	\$67,300 *	Experience plus Degree
11-9033	Education Administrators, Postsecondary			5	490	630	10	10	30	\$18.90	\$33.60	Experience plus Degree
11-9041	Engineering Managers			5	330	410	10	10	20			Experience plus Degree
11-9051	Food Service Managers			4	940	1,350	40	20	60	\$9.60	\$14.80	Related Work Experience
11-9061	Funeral Directors			3	50	70	0	0	0	\$13.40	\$23.80	Associate degree
11-9081	Lodging Managers			5	410	580	20	10	20	\$10.90	\$15.60	Related Work Experience
11-9111	Medical and Health Services Managers			5	240	340	10	10	20	\$18.50	\$30.20	Experience plus Degree
11-9121	Natural Sciences Managers			3	120	150	0	0	10	\$18.10	\$28.70	Experience plus Degree
11-9131	Postmasters and Mail Superintendents			4	130	170	0	0	10	\$17.50	\$22.70	Related Work Experience
11-9141	Property, Real Estate, and Community Association Managers			4	360	530	20	10	20	\$10.30	\$24.60	Bachelor's degree
11-9151	Social and Community Service Managers			3	180	250	10	0	10	\$11.00	\$20.60	Bachelor's degree
11-9199	Managers, All Other			5	910	1,200	30	20	50	\$16.80	\$29.70	Related Work Experience

* Annual Wages

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Sourc: Utah Department of Workforce Services.

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SOC Code	STARS	Employment		Annual Openings Replace-			Hourly Wage		Training Level	
		2002	2012	Growth	ments	Total	Entry	Average		
13-0000 Business and Financial Operations Occupations										
13-1000 Business Operations Specialists			6,190	8,300	210	120	330			
			3,120	4,150	100	60	160			
13-1022	Wholesale and Retail Buyers, Except Farm Products	4	160	200	0	0	10	\$9.00	\$15.50	Related Work Experience
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	5	290	360	10	10	10	\$15.20	\$23.30	Related Work Experience
13-1031	Claims Adjusters, Examiners, and Investigators	4	60	80	0	0	0	\$17.10	\$23.90	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	4	250	310	10	10	10	\$14.00	\$22.70	Long-term on-the-job training
13-1051	Cost Estimators	5	240	320	10	10	10	\$9.70	\$19.10	Related Work Experience
13-1071	Employment, Recruitment, and Placement Specialists	3	170	260	10	0	10	\$14.00	\$18.70	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	1	100	140	0	0	10	\$11.60	\$20.80	Bachelor's degree
13-1073	Training and Development Specialists	3	210	290	10	0	10	\$11.60	\$18.90	Bachelor's degree
13-1111	Management Analysts	5	210	300	10	0	10	\$15.60	\$36.80	Experience plus Degree
13-1121	Meeting and Convention Planners	1	90	120	0	0	10	\$9.70	\$13.60	Bachelor's degree
13-1199	Business Operations Specialists, All Other	3	1,280	1,680	40	20	60	\$12.20	\$20.60	Bachelor's degree
13-2000 Financial Specialists			3,070	4,150	110	60	170			
13-2011	Accountants and Auditors	3	1,550	2,010	50	30	80	\$14.10	\$21.80	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	5	320	490	20	10	20	\$13.00	\$19.20	Postsecondary vocational training
13-2031	Budget Analysts	1	90	110	0	0	0	\$17.40	\$22.90	Bachelor's degree
13-2051	Financial Analysts	1	60	70	0	0	0	\$12.00	\$28.20	Bachelor's degree
13-2052	Personal Financial Advisors	3	150	230	10	0	10	\$11.60	\$33.50	Bachelor's degree
13-2072	Loan Officers	4	560	780	20	10	30	\$15.30	\$25.10	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	0	90	120	0	0	10	\$11.20	\$16.40	Bachelor's degree
13-2099	Financial Specialists, All Other	3	120	150	0	0	10	\$15.00	\$23.70	Bachelor's degree

* Annual Wages

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

		Employment			Annual Openings		Hourly Wage			
SOC Code		STARS	2002	2012	Growth	Replace-ments	Total	Entry	Average	Training Level
15-0000 Computer and Mathematical Occupations			2,200	3,060	90	30	120			
15-1000 Computer Specialists			2,140	2,990	90	30	120			
15-1021	Computer Programmers	5	530	640	10	10	20	\$15.20	\$24.90	Bachelor's degree
15-1031	Computer Software Engineers, Applications	5	140	220	10	0	10	\$13.70	\$25.50	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	4	60	90	0	0	0	\$25.00	\$31.40	Bachelor's degree
15-1041	Computer Support Specialists	4	480	650	20	10	20	\$9.90	\$16.30	Associate degree
15-1051	Computer Systems Analysts	4	280	380	10	0	10	\$19.50	\$26.00	Bachelor's degree
15-1071	Network and Computer Systems Administrators	4	260	400	10	0	20	\$17.10	\$22.30	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	3	170	280	10	0	10	\$11.40	\$18.80	Bachelor's degree
15-1099	Computer Specialists, All Other	5	160	250	10	0	10	\$15.50	\$26.80	Associate degree
15-2000 Mathematical Science Occupations			60	70	0	0	0			

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	STARS	2002	2012	Growth	Replace-ments	Total	Entry		Average	
17-0000 Architecture and Engineering Occupations										
17-1000 Architects, Surveyors, and Cartographers			3,990	5,100	110	90	200			
			300	420	10	10	20			
17-1011	Architects, Except Landscape and Naval	4	90	140	10	0	10	\$26.20	\$33.00	Bachelor's degree
17-1022	Surveyors	3	160	200	10	10	10	\$11.50	\$19.20	Bachelor's degree
17-2000 Engineers			2,050	2,590	60	50	100			
17-2011	Aerospace Engineers	2	50	50	0	0	0	\$25.00	\$31.10	Bachelor's degree
17-2051	Civil Engineers	4	340	460	10	10	20	\$18.30	\$28.00	Bachelor's degree
17-2071	Electrical Engineers	2	100	120	0	0	0	\$22.90	\$31.60	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	3	90	110	0	0	0	\$21.50	\$30.20	Bachelor's degree
17-2081	Environmental Engineers	5	90	140	0	0	10	\$18.20	\$26.70	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	3	60	80	0	0	0	\$17.50	\$29.80	Bachelor's degree
17-2112	Industrial Engineers	3	100	120	0	0	10	\$15.00	\$26.80	Bachelor's degree
17-2141	Mechanical Engineers	5	390	460	10	10	20	\$22.60	\$29.80	Bachelor's degree
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	2	100	90	0	0	0	\$22.20	\$32.70	Bachelor's degree
17-2199	Engineers, All Other	5	610	800	20	10	30	\$28.50	\$35.00	Bachelor's degree
17-3000 Drafters, Engineering, and Mapping Technicians			1,640	2,090	40	40	90			
17-3011	Architectural and Civil Drafters	4	180	240	10	10	10	\$10.00	\$15.20	Postsecondary vocational training
17-3012	Electrical and Electronics Drafters	0	120	140	0	0	10	\$9.50	\$15.10	Postsecondary vocational training
17-3013	Mechanical Drafters	3	130	150	0	0	10	\$14.00	\$20.60	Postsecondary vocational training
17-3022	Civil Engineering Technicians	4	200	260	10	0	10	\$11.90	\$16.00	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	5	230	300	10	10	10	\$13.80	\$20.10	Associate degree
17-3024	Electro-Mechanical Technicians	2	50	60	0	0	0	\$14.30	\$18.20	Associate degree
17-3027	Mechanical Engineering Technicians	5	270	350	10	10	10	\$17.30	\$21.20	Associate degree
17-3031	Surveying and Mapping Technicians	4	90	130	0	0	10	\$8.90	\$13.40	Moderate-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other (OES Only)	5	310	360	10	10	10	\$14.60	\$21.00	Associate degree

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SOC Code			STARS	2002	2012	Growth	Replace-ments	Total	Entry	Average	Training Level
19-0000 Life, Physical, and Social Science Occupations				3,430	4,200	80	80	160			
19-1000 Life Scientists				840	980	10	20	40			
19-1010	Agricultural and Food Scientists		1	120	140	0	0	0	\$11.20	\$21.60	Bachelor's degree
19-1022	Microbiologists		4	110	150	0	0	10	\$19.10	\$27.90	Doctoral degree
19-1023	Zoologists and Wildlife Biologists		1	130	150	0	0	10	\$18.00	\$26.40	Bachelor's degree
19-1031	Conservation Scientists		1	200	210	0	10	10	\$17.50	\$24.30	Bachelor's degree
19-1032	Foresters		1	80	100	0	0	0	\$13.80	\$22.50	Bachelor's degree
19-1099	Life Scientists, All Other		1	140	170	0	0	10	\$13.90	\$23.40	Bachelor's degree
19-2000 Physical Scientists				630	780	20	20	30			
19-2031	Chemists		5	170	220	10	10	10	\$18.90	\$27.60	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health		4	240	320	10	0	10	\$16.20	\$24.20	Master's degree
19-2042	Geoscientists, Except Hydrologists and Geographers		2	70	70	0	0	0	\$20.90	\$28.60	Master's degree
19-2043	Hydrologists		2	60	70	0	0	0	\$17.30	\$28.00	Master's degree
19-3000 Social Scientists and Related Workers				680	920	30	20	40			
19-3021	Market Research Analysts		0	50	70	0	0	0	\$14.20	\$20.50	Master's degree
19-3031	Clinical, Counseling, and School Psychologists		4	280	410	10	10	20	\$13.40	\$26.10	Doctoral degree
19-3041	Sociologists		1	50	60	0	0	0	\$17.80	\$22.40	Master's degree
19-3051	Urban and Regional Planners		3	110	160	10	0	10	\$13.70	\$18.20	Master's degree
19-3099	Social Scientists and Related Workers, All Other		1	110	130	0	0	0	\$16.10	\$24.20	Master's degree
19-4000 Life, Physical, and Social Science Technicians				1,290	1,520	20	30	50			
19-4011	Agricultural and Food Science Technicians		1	80	80	0	0	0	\$10.80	\$16.30	Associate degree
19-4021	Biological Technicians		3	370	470	10	10	20	\$10.30	\$12.90	Associate degree
19-4031	Chemical Technicians		4	160	190	0	0	10	\$11.70	\$17.50	Associate degree
19-4041	Geological and Petroleum Technicians		1	80	90	0	0	0	\$13.60	\$18.30	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health		5	80	120	0	0	10	\$13.30	\$18.60	Associate degree
19-4093	Forest and Conservation Technicians		0	300	310	0	10	10	\$9.60	\$12.20	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other		1	200	230	0	10	10	\$10.30	\$17.80	Associate degree

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		2002	2012		Replace-ments	Total	Entry	Average	
21-0000 Community and Social Services Occupations		4,200	5,830	160	80	240			
21-1000 Counselors, Social Workers, and Other Community and Social Service Specialists		3,520	5,000	150	70	220			
21-1011 Substance Abuse and Behavioral Disorder Counselors	1	80	100	0	0	10	\$9.50	\$12.80	Master's degree
21-1012 Educational, Vocational, and School Counselors	3	590	720	10	10	30	\$10.40	\$16.60	Master's degree
21-1013 Marriage and Family Therapists	2	120	170	10	0	10	\$9.60	\$16.20	Master's degree
21-1015 Rehabilitation Counselors	2	180	240	10	0	10	\$10.80	\$16.40	Master's degree
21-1021 Child, Family, and School Social Workers	2	640	870	20	10	30	\$9.70	\$15.10	Bachelor's degree
21-1022 Medical and Public Health Social Workers	1	70	110	0	0	0	\$14.50	\$19.60	Bachelor's degree
21-1023 Mental Health and Substance Abuse Social Workers	3	270	370	10	10	20	\$15.90	\$21.10	Master's degree
21-1092 Probation Officers and Correctional Treatment Specialists	1	180	230	10	0	10	\$12.60	\$15.30	Bachelor's degree
21-1093 Social and Human Service Assistants	3	1,350	2,140	80	20	100	\$7.20	\$10.00	Moderate-term on-the-job training
21-2000 Religious Workers		840	980	10	20	30			
21-2011 Clergy	3	420	490	10	10	20	\$15.50	\$17.60	First professional degree
21-9099 Counselors, Social, and Religious Workers, All Other (OES Only)		250	320	10	10	10			
21-9099 Counselors, Social, and Religious Workers, All Other (OES Only)	2	250	320	10	10	10	\$7.30	\$11.90	Bachelor's degree

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		2002	2012		Replace-ments	Total	Entry	Average	
23-0000 Legal Occupations		1,130	1,460	30	10	50			
23-1000 Lawyers, Judges, and Related Workers		710	930	20	10	30			
23-1011 Lawyers	5	600	780	20	10	30	\$20.80	\$40.10	First professional degree
23-1023 Judges, Magistrate Judges, and Magistrates	1	70	100	0	0	0	\$9.90	\$20.10	Experience plus Degree
23-2000 Legal Support Workers		240	330	10	0	10			
23-2011 Paralegals and Legal Assistants	3	130	180	10	0	10	\$11.20	\$15.10	Associate degree
23-2092 Law Clerks	1	90	120	0	0	0	\$6.20	\$9.70	Bachelor's degree
23-9099 Legal and Related Workers, All Other (OES Only)		190	210	0	0	0			
23-2093 Title Examiners, Abstractors, and Searchers	3	170	190	0	0	0	\$13.20	\$22.60	Moderate-term on-the-job training

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25-0000 Education, Training, and Library Occupations				16,200	22,520	630	350	980		
25-1000 Postsecondary Teachers				3,990	5,660	170	90	260		
25-1011	Business Teachers, Postsecondary	4	220	320	10	10	20	\$38,400	\$65,000 *	Master's degree
25-1021	Computer Science Teachers, Postsecondary	4	180	250	10	0	10	\$38,100	\$62,500 *	Master's degree
25-1022	Mathematical Science Teachers, Postsecondary	4	180	260	10	0	10	\$35,200	\$58,300 *	Master's degree
25-1032	Engineering Teachers, Postsecondary	4	230	320	10	10	10	\$50,800	\$82,900 *	Doctoral degree
25-1041	Agricultural Sciences Teachers, Postsecondary	4	200	280	10	10	10	\$49,000	\$68,700 *	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	4	210	300	10	10	10	\$39,900	\$61,700 *	Doctoral degree
25-1043	Forestry and Conservation Science Teachers, Postsecondary	4	90	120	0	0	10	\$61,000	\$80,300 *	Doctoral degree
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	4	60	80	0	0	0	\$36,700	\$56,800 *	Doctoral degree
25-1052	Chemistry Teachers, Postsecondary	4	110	150	10	0	10	\$38,500	\$63,300 *	Doctoral degree
25-1054	Physics Teachers, Postsecondary	4	50	70	0	0	0	\$47,860	\$78,620 *	Doctoral degree
25-1063	Economics Teachers, Postsecondary	4	70	100	0	0	0	\$56,700	\$81,100 *	Doctoral degree
25-1065	Political Science Teachers, Postsecondary	4	70	100	0	0	10	\$49,200	\$74,800 *	Doctoral degree
25-1066	Psychology Teachers, Postsecondary	4	120	180	10	0	10	\$43,300	\$60,700 *	Doctoral degree
25-1067	Sociology Teachers, Postsecondary	4	50	80	0	0	0	\$40,500	\$64,500 *	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	3	120	170	10	0	10	\$31,400	\$49,800 *	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	3	50	80	0	0	0	\$33,800	\$44,800 *	Doctoral degree
25-1081	Education Teachers, Postsecondary	4	180	260	10	0	10	\$35,100	\$54,300 *	Doctoral degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	4	280	410	10	10	20	\$30,800	\$49,100 *	Master's degree
25-1122	Communications Teachers, Postsecondary	4	120	170	10	0	10	\$35,700	\$54,100 *	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	4	250	350	10	10	20	\$31,000	\$47,300 *	Master's degree
25-1124	Foreign Language and Literature Teachers, Postsecondary	4	90	120	0	0	10	\$33,100	\$49,700 *	Master's degree
25-1125	History Teachers, Postsecondary	4	70	100	0	0	10	\$43,900	\$60,600 *	Doctoral degree
25-1191	Graduate Teaching Assistants	1	70	100	0	0	0	\$25,400	\$30,860 *	Bachelor's degree
25-1192	Home Economics Teachers, Postsecondary	3	90	120	0	0	10	\$32,900	\$49,800 *	Master's degree
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	1	80	120	0	0	10	\$21,300	\$35,400 *	Master's degree
25-1194	Vocational Education Teachers, Postsecondary	5	570	810	20	10	40	\$11.10	\$16.70 *	Related Work Experience
25-2000 Primary, Secondary, and Special Education School Teachers				6,780	9,280	250	150	400		
25-2011	Preschool Teachers, Except Special Education	2	580	850	30	10	30	\$6.10	\$9.10	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Special Education	2	490	670	20	10	20	\$15,600	\$29,700 *	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	3	2,170	2,930	80	50	120	\$27,480	\$37,600 *	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	3	1,080	1,380	30	20	50	\$27,000	\$39,900 *	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	0	70	90	0	0	0	\$24,800	\$34,900 *	Experience plus Degree
25-2031	Secondary School Teachers, Except Special and Vocational Education	3	1,590	2,190	60	50	110	\$26,700	\$36,100 *	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	3	210	260	10	10	10	\$24,800	\$34,800 *	Experience plus Degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	3	360	550	20	10	30	\$26,300	\$35,600 *	Bachelor's degree
25-2042	Special Education Teachers, Middle School	3	80	120	0	0	10	\$25,600	\$37,500 *	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	3	150	230	10	0	10	\$24,100	\$36,600 *	Bachelor's degree
25-3000 Other Teachers and Instructors				1,110	1,600	50	10	60		
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	2	550	770	20	10	30	\$14.00	\$16.20	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	4	200	300	10	0	10	\$6.80	\$11.90	Related Work Experience
25-3999	Teachers, Primary, Secondary, and Adult, All Other (OES Only)	2	370	540	20	10	20	\$15,500	\$20,700 *	Bachelor's degree
25-4000 Librarians, Curators, and Archivists				640	820	20	20	40		
25-4021	Librarians	3	270	340	10	10	10	\$10.00	\$16.80	Master's degree
25-4031	Library Technicians	4	330	440	10	10	20	\$8.20	\$11.20	Short-term on-the-job training
25-9000 Other Education, Training, and Library Occupations				3,670	5,160	150	70	220		
25-9031	Instructional Coordinators	2	360	490	10	10	20	\$8.80	\$15.70	Master's degree
25-9041	Teacher Assistants	3	3,280	4,630	140	60	200	\$14,700	\$20,000 *	Short-term on-the-job training

* Annual Wages

NOTE: Detail may not add to totals due to rounding and the exclusion of small occupations.

Source: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code	STARS	Employment		Growth	Annual Openings		Hourly Wage		Training Level
		2002	2012		Replace-ments	Total	Entry	Average	
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations		2,750	3,690	100	50	150			
27-1000 Art and Design Workers		1,090	1,490	40	20	60			
27-1013 Fine Artists, Including Painters, Sculptors, and Illustrators	4	160	240	10	0	10	\$9.80	\$38.10	Long-term on-the-job training
27-1014 Multi-Media Artists and Animators	1	70	90	0	0	0	\$11.30	\$14.70	Bachelor's degree
27-1021 Commercial and Industrial Designers	1	60	90	0	0	0	\$8.10	\$12.40	Bachelor's degree
27-1023 Floral Designers	1	320	380	10	0	10	\$7.00	\$9.60	Moderate-term on-the-job training
27-1024 Graphic Designers	2	150	210	10	0	10	\$10.40	\$15.70	Bachelor's degree
27-1026 Merchandise Displayers and Window Trimmers	3	100	140	10	0	10	\$6.20	\$10.00	Moderate-term on-the-job training
27-1099 Art and Design Workers, All Other (OES Only)	2	180	250	10	0	10	\$7.70	\$13.70	Bachelor's degree
27-2000 Entertainers, and Performers, Sports, and Related Workers		700	950	30	20	40			
27-2022 Coaches and Scouts	4	480	650	20	10	30			Long-term on-the-job training
27-3000 Media and Communication Workers		710	940	30	10	40			
27-3010 Announcers	1	70	60	0	0	0	\$8.30	\$14.80	Long-term on-the-job training
27-3031 Public Relations Specialists	3	150	210	10	0	10	\$12.70	\$20.40	Bachelor's degree
27-3041 Editors	1	120	160	0	0	10	\$11.30	\$16.70	Bachelor's degree
27-3043 Writers and Authors	2	180	270	10	0	10	\$8.50	\$13.30	Bachelor's degree
27-3099 Media and Communication Workers, All Other	3	100	120	0	0	0	\$11.90	\$19.70	Long-term on-the-job training
27-4000 Media and Communication Equipment Workers		250	310	10	10	10			
27-4012 Broadcast Technicians	0	60	60	0	0	0	\$7.60	\$10.40	Associate degree
27-4021 Photographers	1	50	70	0	0	0	\$6.60	\$10.10	Long-term on-the-job training

* Annual Wages

NOTE: Detail may not add to totals due to rounding and the exclusion of small occupations.

Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

			Employment		Annual Openings		Hourly Wage				
SOC Code			STARS	2002	2012	Growth	Replace-ments	Total	Entry	Average	Training Level
29-0000 Healthcare Practitioners, and Technical Occupations				7,600	10,700	320	140	450			
29-1000 Health Diagnosing and Treating Practioners				4,090	5,820	170	80	250			
29-1011	Chiropractors		4	100	140	0	0	10	\$33.30	\$47.70	First professional degree
29-1020	Dentists		4	400	460	10	10	10	\$37.30	\$45.90	First professional degree
29-1031	Dietitians and Nutritionists		0	50	70	0	0	0	\$13.90	\$17.90	Bachelor's degree
29-1041	Optometrists		3	60	80	0	0	0	\$15.20	\$41.60	First professional degree
29-1051	Pharmacists		5	360	670	30	10	40	\$27.40	\$36.50	First professional degree
29-1061	Anesthesiologists		3	90	110	0	0	0		\$94.80	First professional degree
29-1062	Family and General Practitioners		4	160	210	10	0	10	\$42.00	\$64.00	First professional degree
29-1067	Surgeons		4	170	230	10	0	10	\$39.50	\$78.80	First professional degree
29-1071	Physician Assistants		5	90	130	10	0	10	\$13.80	\$26.30	Bachelor's degree
29-1111	Registered Nurses		5	1,870	2,660	80	40	120	\$17.30	\$21.90	Associate degree
29-1122	Occupational Therapists		4	60	90	0	0	0	\$21.10	\$27.70	Bachelor's degree
29-1123	Physical Therapists		5	200	300	10	0	10	\$21.00	\$28.00	Master's degree
29-1126	Respiratory Therapists		5	100	150	10	0	10	\$15.80	\$19.40	Associate degree
29-1127	Speech-Language Pathologists		4	80	110	0	0	10	\$12.50	\$27.40	Master's degree
29-1131	Veterinarians		0	130	170	0	0	10	\$7.90	\$24.90	First professional degree
29-2000 Health Technologists and Technicians				3,080	4,320	130	50	170			
29-2011	Medical and Clinical Laboratory Technologists		3	140	180	0	0	10	\$17.50	\$21.80	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians		1	140	190	0	0	10	\$8.90	\$12.40	Associate degree
29-2021	Dental Hygienists		5	280	400	10	0	20	\$23.50	\$25.80	Associate degree
29-2034	Radiologic Technologists and Technicians		4	180	230	10	0	10	\$13.40	\$18.10	Associate degree
29-2041	Emergency Medical Technicians and Paramedics		2	620	900	30	10	40	\$6.90	\$10.00	Postsecondary vocational training
29-2051	Dietetic Technicians		1	100	130	0	0	0	\$7.20	\$8.50	Moderate-term on-the-job training
29-2052	Pharmacy Technicians		4	370	630	30	10	30	\$9.30	\$11.40	Moderate-term on-the-job training
29-2053	Psychiatric Technicians		1	130	160	0	0	10	\$9.30	\$10.30	Moderate-term on-the-job training
29-2055	Surgical Technologists		1	80	120	0	0	10	\$10.60	\$13.60	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians		0	50	60	0	0	0	\$7.10	\$9.50	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses		3	580	720	10	10	30	\$9.90	\$12.90	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians		2	190	280	10	0	10	\$8.00	\$10.60	Associate degree
29-2081	Opticians, Dispensing		1	100	130	0	0	10	\$7.70	\$11.20	Long-term on-the-job training
29-9000 Other Healthcare Practitioners and Technical Occupations				420	560	10	10	20			
29-9010	Occupational Health and Safety Specialists and Technicians		4	200	240	0	0	10	\$19.40	\$30.70	Bachelor's degree
29-9091	Athletic Trainers		2	120	190	10	0	10	\$19,100	\$30,000 *	Bachelor's degree
29-9199	Health Professionals and Technicians, All Other (OES Only)		3	100	130	0	0	10	\$10.60	\$15.80	Postsecondary vocational training

* Annual Wages

NOTE: Detail may not add to totals due to rounding and the exclusion of small occupations.

Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

			Employment		Annual Openings		Hourly Wage				
SOC Code		STARS	2002	2012	Growth	Replace-ments	Total	Entry	Average	Training Level	
31-0000 Healthcare Support Occupations			4,440	6,360	190	80	270				
31-1000	Nursing, Psychiatric, and Home Health Aides		2,420	3,340	90	30	120				
31-1011	Home Health Aides		2	520	800	30	10	40	\$7.40	\$9.20	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants		2	1,850	2,470	60	20	90	\$7.60	\$8.90	Short-term on-the-job training
31-1013	Psychiatric Aides		0	50	70	0	0	0	\$9.70	\$9.70	Short-term on-the-job training
31-2000	Occupational and Physical Therapist Assistants and Aides		220	360	10	0	20				
31-2022	Physical Therapist Aides		2	180	290	10	0	20	\$7.20	\$8.60	Short-term on-the-job training
31-9000	Other Healthcare Support Occupations		1,800	2,660	90	40	130				
31-9011	Massage Therapists		3	180	270	10	0	10	\$9.80	\$14.20	Postsecondary vocational training
31-9091	Dental Assistants		3	790	1,150	40	20	60	\$8.80	\$10.10	Moderate-term on-the-job training
31-9092	Medical Assistants		3	430	720	30	10	40	\$9.00	\$11.00	Moderate-term on-the-job training
31-9094	Medical Transcriptionists		2	150	210	10	0	10	\$7.90	\$11.30	Postsecondary vocational training
31-9095	Pharmacy Aides		1	50	60	0	0	0	\$6.30	\$8.80	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers		0	90	110	0	0	0	\$6.10	\$7.90	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other		0	100	130	0	0	0	\$8.60	\$12.00	Short-term on-the-job training

* Annual Wages

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Source: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code	Employment				Annual Openings		Hourly Wage		Training Level	
	STARS	2002	2012	Growth	Replace-ments	Total	Entry	Average		
33-0000 Protective Service Occupations										
33-1000 First-Line Supervisors/Managers, Protective Service Workers			4,290	5,610	130	130	270			
			590	780	20	20	40			
33-1011	First-Line Supervisors/Managers of Correctional Officers	4	90	110	0	0	10	\$18.60	\$20.00	Related Work Experience
33-1012	First-Line Supervisors/Managers of Police and Detectives	5	250	350	10	10	20	\$18.00	\$22.50	Related Work Experience
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	4	70	90	0	0	10	\$10.50	\$22.30	Related Work Experience
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	4	180	220	0	10	10	\$16.00	\$25.10	Related Work Experience
33-2000 Fire Fighting and Prevention Workers			530	710	20	20	30			
33-2011	Fire Fighters	4	520	700	20	20	30	\$6.50	\$11.30	Long-term on-the-job training
33-3000 Law Enforcement Workers			1,620	2,220	60	40	100			
33-3012	Correctional Officers and Jailers	5	650	880	20	10	40	\$11.70	\$14.50	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	5	140	190	10	0	10	\$12.30	\$18.50	Related Work Experience
33-3051	Police and Sheriff's Patrol Officers	5	760	1,060	30	20	50	\$11.80	\$15.50	Long-term on-the-job training
33-9000 Other Protective Service Workers			1,560	1,900	30	60	100			
33-9011	Animal Control Workers	4	60	90	0	0	10	\$7.90	\$11.70	Moderate-term on-the-job training
33-9032	Security Guards	4	890	1,020	10	20	30	\$7.80	\$11.90	Short-term on-the-job training
33-9091	Crossing Guards	2	120	170	10	0	10	\$6.80	\$8.20	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	2	480	620	10	30	50	\$6.20	\$10.90	Short-term on-the-job training

* Annual Wages

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Growth	Annual Openings		Hourly Wage		Training Level
			2002	2012		Replacements	Total	Entry	Average	
35-0000	Food Preparation and Serving Related Occupations		20,220	29,070	890	790	1,680			
35-1000	Supervisors, Food Preparation and Serving Workers		1,690	2,420	70	40	120			
35-1011	Chefs and Head Cooks	4	430	630	20	10	30	\$7.50	\$12.20	Related Work Experience
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	3	1,260	1,790	50	30	80	\$7.60	\$10.90	Related Work Experience
35-2000	Cooks and Food Preparation Workers		6,930	9,630	270	230	500			
35-2011	Cooks, Fast Food	2	1,860	2,470	60	60	120	\$6.10	\$6.60	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	3	1,000	1,150	20	30	50	\$6.70	\$9.30	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	2	970	1,410	40	30	70	\$6.60	\$9.40	Long-term on-the-job training
35-2015	Cooks, Short Order	2	790	1,080	30	20	50	\$6.40	\$7.50	Short-term on-the-job training
35-2021	Food Preparation Workers	2	2,310	3,510	120	80	200	\$6.00	\$7.20	Short-term on-the-job training
35-3000	Food and Beverage Serving Workers		9,290	13,760	450	450	890			
35-3011	Bartenders	2	550	720	20	20	40	\$5.90	\$7.80	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2	3,890	5,950	210	170	380	\$6.10	\$7.00	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	2	690	990	30	50	80	\$6.10	\$6.90	Short-term on-the-job training
35-3031	Waiters and Waitresses	2	4,030	5,910	190	210	400	\$6.00	\$8.30	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	2	130	180	10	10	10	\$5.90	\$7.10	Short-term on-the-job training
35-9000	Other Food Preparation and Serving Related Workers		2,310	3,270	100	80	170			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	2	780	1,130	30	30	60	\$6.10	\$7.30	Short-term on-the-job training
35-9021	Dishwashers	2	780	1,060	30	30	60	\$6.00	\$6.80	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2	610	900	30	20	50	\$6.00	\$7.20	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	2	130	180	10	0	10	\$6.10	\$7.30	Short-term on-the-job training

* Annual Wages

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code	STARS	Employment		Growth	Annual Openings		Hourly Wage		Training Level
		2002	2012		Replace-ments	Total	Entry	Average	
37-0000 Building and Grounds Cleaning and Maintenance Occupations		11,100	15,320	420	230	650			
37-1000 Supervisors, Building and Grounds Cleaning and Maintenance Workers		950	1,300	40	20	50			
37-1011 First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	4	620	840	20	20	40	\$8.90	\$12.90	Related Work Experience
37-1012 First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	5	330	460	10	0	20	\$10.60	\$15.70	Related Work Experience
37-2000 Building Cleaning and Pest Control Workers		7,340	10,120	280	150	420			
37-2011 Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2	3,360	4,470	110	60	180	\$6.40	\$9.20	Short-term on-the-job training
37-2012 Maids and Housekeeping Cleaners	2	3,940	5,580	170	80	250	\$6.20	\$7.80	Short-term on-the-job training
37-2021 Pest Control Workers	0	50	70	0	0	0	\$9.70	\$10.30	Moderate-term on-the-job training
37-3000 Grounds Maintenance Workers		2,600	3,630	100	60	160			
37-3011 Landscaping and Groundskeeping Workers	2	2,530	3,540	100	60	160	\$7.30	\$9.20	Short-term on-the-job training
37-9000 Building and Grounds Cleaning and Maintenance Workers, All Other (OES Only)		210	280	10	0	10			
37-9099 Building and Grounds Cleaning and Maintenance Workers, All Other (OES Only)	3	210	280	10	0	10	\$7.50	\$11.80	Short-term on-the-job training

* Annual Wages

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Growth	Annual Openings Replace- ments		Hourly Wage		Training Level
			2002	2012		Total		Entry	Average	
39-0000	Personal Care and Service Occupations		5,400	7,660	230	130	360			
39-1000	Supervisors, Personal Care and Service Workers		220	310	10	10	20			
39-1021	First-Line Supervisors/Managers of Personal Service Workers	5	220	310	10	10	20	\$9.90	\$14.50	Related Work Experience
39-2000	Animal Care and Service Workers		760	820	10	20	20			
39-2011	Animal Trainers	0	130	140	0	0	0	\$10.00	\$11.90	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	1	630	690	10	20	20	\$6.20	\$8.50	Short-term on-the-job training
39-3000	Entertainment Attendants and Related Workers		630	930	30	20	60			
39-3031	Ushers, Lobby Attendants, and Ticket Takers	2	170	240	10	10	20	\$6.20	\$7.10	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	2	340	540	20	10	30	\$6.00	\$7.80	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	1	80	100	0	0	10	\$6.00	\$7.00	Short-term on-the-job training
39-4000	Funeral Service Workers		40	50	0	0	0			
39-5000	Personal Appearance Workers		1,120	1,600	50	20	70			
39-5011	Barbers	2	100	140	0	0	10	\$6.30	\$6.70	Postsecondary vocational training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2	830	1,180	40	20	50	\$6.80	\$9.70	Postsecondary vocational training
39-5094	Skin Care Specialists	4	170	240	10	0	10	\$14.00	\$17.90	Postsecondary vocational training
39-6000	Transportation, Tourism, and Lodging Attendants		600	880	30	20	40			
39-6011	Baggage Porters and Bellhops	3	70	100	0	0	10	\$7.10	\$9.20	Short-term on-the-job training
39-6012	Concierges	3	120	180	10	0	10	\$8.20	\$10.20	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	4	280	410	10	10	20	\$8.40	\$12.40	Moderate-term on-the-job training
39-6022	Travel Guides	4	90	140	0	0	10	\$12.60	\$14.20	Moderate-term on-the-job training
39-9000	Other Personal Care and Service Workers		2,040	3,070	100	50	150			
39-9011	Child Care Workers	2	550	780	20	20	40	\$6.00	\$7.70	Short-term on-the-job training
39-9021	Personal and Home Care Aides	2	210	310	10	0	10	\$7.50	\$8.00	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	2	320	480	20	10	20	\$7.90	\$13.00	Postsecondary vocational training
39-9032	Recreation Workers	2	820	1,270	50	20	60	\$6.60	\$10.60	Bachelor's degree
39-9041	Residential Advisors	3	70	100	0	0	10	\$7.60	\$10.30	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	2	80	120	0	0	10	\$6.10	\$7.90	Short-term on-the-job training

* Annual Wages

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Growth	Annual Openings Replace- ments		Hourly Wage		Training Level
			2002	2012		Total		Entry	Average	
41-0000 Sales and Related Occupations			25,680	34,540	890	860	1,750			
41-1000 Supervisors, Sales Workers			4,170	5,630	150	80	220			
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	4	3,190	4,350	120	60	170	\$9.30	\$14.40	Related Work Experience
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	5	980	1,280	30	20	50	\$12.00	\$21.40	Related Work Experience
41-2000 Retail Sales Workers			15,960	21,690	570	670	1,240			
41-2011	Cashiers	2	7,130	9,710	260	350	610	\$6.10	\$7.20	Short-term on-the-job training
41-2021	Counter and Rental Clerks	2	1,010	1,430	40	40	80	\$6.20	\$9.30	Short-term on-the-job training
41-2022	Parts Salespersons	3	370	410	10	10	20	\$8.60	\$12.80	Moderate-term on-the-job training
41-2031	Retail Salespersons	2	7,460	10,130	270	270	540	\$6.50	\$9.50	Short-term on-the-job training
41-3000 Sales Representatives, Services			1,000	1,350	40	20	60			
41-3011	Advertising Sales Agents	4	270	360	10	10	20	\$8.00	\$13.60	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	2	460	650	20	10	30	\$10.70	\$18.20	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	3	140	190	10	0	10	\$13.50	\$34.50	Bachelor's degree
41-3041	Travel Agents	0	140	150	0	0	10	\$9.10	\$12.60	Postsecondary vocational training
41-4000 Sales Representatives, Wholesale and Manufacturing			1,660	2,290	60	40	110			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	5	410	550	20	10	30	\$16.30	\$24.80	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	5	1,250	1,740	50	30	80	\$10.50	\$19.00	Moderate-term on-the-job training
41-9000 Other Sales and Related Workers			2,890	3,580	70	50	120			
41-9011	Demonstrators and Product Promoters	3	190	290	10	0	10	\$7.70	\$11.10	Moderate-term on-the-job training
41-9021	Real Estate Brokers	5	190	250	10	0	10	\$34.00	\$41.10	Related Work Experience
41-9022	Real Estate Sales Agents	5	420	540	10	10	20	\$7.50	\$20.70	Postsecondary vocational training
41-9031	Sales Engineers	4	60	80	0	0	0	\$19.30	\$38.60	Bachelor's degree
41-9041	Telemarketers	2	1,400	1,540	10	20	40	\$7.70	\$9.30	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	3	170	190	0	0	10	\$7.40	\$15.50	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	4	470	680	20	10	30	\$7.30	\$13.60	Moderate-term on-the-job training

* Annual Wages

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Growth	Annual Openings		Hourly Wage		Training Level
			2002	2012		Replace-ments	Total	Entry	Average	
43-0000	Office and Administrative Support Occupations		33,510	41,730	830	800	1,620			
43-1000	Supervisors, Office and Administrative Support Workers		1,680	2,100	40	40	80			
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	5	1,680	2,100	40	40	80	\$10.80	\$16.10	Related Work Experience
43-2000	Communications Equipment Operators		310	360	10	10	10			
43-2011	Switchboard Operators, Including Answering Service	1	280	350	10	10	10	\$7.50	\$10.10	Short-term on-the-job training
43-3000	Financial Clerks		5,360	6,440	110	130	240			
43-3011	Bill and Account Collectors	4	290	420	10	10	20	\$8.50	\$11.60	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	4	630	740	10	10	20	\$8.90	\$11.30	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4	3,010	3,480	50	60	100	\$8.60	\$12.10	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	4	270	330	10	10	10	\$10.20	\$13.80	Moderate-term on-the-job training
43-3061	Procurement Clerks	2	190	200	0	10	10	\$9.60	\$13.90	Short-term on-the-job training
43-3071	Tellers	2	970	1,280	30	50	80	\$8.10	\$9.30	Short-term on-the-job training
43-4000	Information and Record Clerks		9,230	12,850	360	220	580			
43-4031	Court, Municipal, and License Clerks	4	290	400	10	10	20	\$8.50	\$11.50	Short-term on-the-job training
43-4051	Customer Service Representatives	3	2,700	4,080	140	40	180	\$9.10	\$11.30	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	3	60	80	0	0	0	\$12.60	\$13.00	Moderate-term on-the-job training
43-4071	File Clerks	1	360	400	0	10	10	\$6.10	\$8.40	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	2	1,090	1,660	60	50	110	\$6.80	\$8.50	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	2	1,190	1,590	40	30	70	\$6.30	\$7.10	Short-term on-the-job training
43-4121	Library Assistants, Clerical	1	120	150	0	10	10	\$6.20	\$8.40	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	1	210	220	0	0	0	\$9.20	\$13.50	Short-term on-the-job training
43-4141	New Accounts Clerks	1	140	180	10	0	10	\$9.30	\$10.70	Related Work Experience
43-4151	Order Clerks	1	270	320	10	10	10	\$7.00	\$9.00	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	5	210	270	10	0	10	\$11.10	\$16.10	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	3	1,910	2,690	80	50	130	\$6.90	\$9.40	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	4	100	160	10	0	10	\$8.90	\$11.90	Short-term on-the-job training
43-4999	Financial, Information, and Record Clerks, All Other (OES Only)	4	540	600	10	10	10	\$9.40	\$15.80	Short-term on-the-job training
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers		4,700	5,660	100	140	240			
43-5021	Couriers and Messengers	0	80	80	0	0	0	\$6.20	\$8.80	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	4	130	180	10	0	10	\$11.60	\$12.90	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	4	220	280	10	10	10	\$10.30	\$16.50	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	3	220	260	0	10	10	\$6.70	\$12.60	Short-term on-the-job training
43-5051	Postal Service Clerks	4	180	240	10	10	10	\$17.90	\$18.60	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	5	410	540	10	10	30	\$15.20	\$18.50	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1	160	190	0	0	10	\$9.00	\$12.90	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	5	350	460	10	10	20	\$11.00	\$17.50	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	3	860	1,030	20	20	30	\$7.70	\$10.80	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	2	1,730	2,000	30	60	90	\$6.80	\$9.60	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	3	200	240	10	10	10	\$9.30	\$12.50	Short-term on-the-job training
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, All Other (OES Only)	2	130	130	0	10	10	\$15.00	\$22.20	Short-term on-the-job training
43-6000	Secretaries and Administrative Assistants		5,100	5,820	70	100	170			
43-6011	Executive Secretaries and Administrative Assistants	5	1,690	1,990	30	30	60	\$11.40	\$15.60	Moderate-term on-the-job training
43-6012	Legal Secretaries	1	130	170	0	0	10	\$9.30	\$13.10	Postsecondary vocational training
43-6013	Medical Secretaries	3	410	510	10	10	20	\$9.20	\$12.30	Postsecondary vocational training
43-6014	Secretaries, Except Legal, Medical, and Executive	4	2,880	3,150	30	60	80	\$8.10	\$11.40	Moderate-term on-the-job training
43-9000	Other Office and Administrative Support Workers		7,130	8,520	150	160	300			
43-9011	Computer Operators	1	230	220	0	10	10	\$8.80	\$11.90	Moderate-term on-the-job training
43-9021	Data Entry Keyers	2	300	380	10	10	20	\$6.50	\$8.50	Moderate-term on-the-job training
43-9022	Word Processors and Typists	0	160	110	0	0	0	\$7.70	\$10.60	Moderate-term on-the-job training
43-9031	Desktop Publishers	2	50	70	0	0	0	\$7.90	\$10.30	Postsecondary vocational training
43-9041	Insurance Claims and Policy Processing Clerks	3	280	360	10	10	10	\$7.80	\$9.20	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	2	200	270	10	10	10	\$6.30	\$8.60	Short-term on-the-job training
43-9061	Office Clerks, General	3	5,630	6,800	120	130	240	\$6.80	\$9.60	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	0	60	60	0	0	0	\$7.40	\$9.30	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	0	50	60	0	0	0	\$8.10	\$9.70	Short-term on-the-job training
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other (OES Only)	1	170	180	0	0	0	\$9.60	\$13.20	Short-term on-the-job training

* Annual Wages

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Source: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code	STARS	Employment		Growth	Annual Openings		Hourly Wage		Training Level
		2002	2012		Replacements	Total	Entry	Average	
45-0000 Farming, Fishing, and Forestry Occupations		10,420	10,550	20	290	310			
45-1000 Supervisors, Farming, Fishing and Forestry Workers		440	500	10	10	20			
45-1011 First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	4	440	500	10	10	20	\$18.40	\$21.10	Related Work Experience
45-2000 Agricultural Workers		8,940	8,980	10	250	270			
45-2021 Animal Breeders	0	70	70	0	0	0	\$10.40	\$10.40	Moderate-term on-the-job training
45-2041 Graders and Sorters, Agricultural Products	1	270	320	10	10	10	\$7.70	\$10.80	Related Work Experience
45-2091 Agricultural Equipment Operators	1	760	780	0	20	20	\$8.20	\$9.80	Moderate-term on-the-job training
45-2092 Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2	7,320	7,240	0	210	210	\$7.20	\$9.00	Short-term on-the-job training
45-2093 Farmworkers, Farm and Ranch Animals	1	510	540	0	10	20	\$9.20	\$11.00	Short-term on-the-job training
45-4000 Forest, Conservation, and Logging Workers		60	70	0	0	0			
45-9000 Farming, Fishing, and Forestry Workers, All Other (OES Only)		970	990	0	20	30			
45-9099 Farming, Fishing, and Forestry Workers, All Other (OES Only)	1	970	990	0	20	30	\$6.20	\$8.30	Moderate-term on-the-job training

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code	Employment			Annual Openings		Hourly Wage		Training Level		
	STARS	2002	2012	Growth	Replace-ments	Total	Entry		Average	
47-0000 Construction and Extraction Occupations										
			19,700	25,510	580	420	1,010			
47-1000 Supervisors, Construction and Extraction Workers			2,000	2,620	60	30	100			
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	5	2,000	2,620	60	30	100	\$14.40	\$22.00	Related Work Experience
47-2000 Construction Trades Workers			13,110	17,360	430	240	670			
47-2011	Boilermakers	3	50	60	0	0	0	\$13.10		Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	5	290	380	10	0	10	\$16.00	\$20.40	Long-term on-the-job training
47-2022	Stonemasons	4	100	130	0	0	10	\$11.90	\$19.90	Long-term on-the-job training
47-2031	Carpenters	5	3,430	4,520	110	60	170	\$10.60	\$15.00	Long-term on-the-job training
47-2041	Carpet Installers	4	130	180	10	0	10	\$6.60	\$13.30	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	4	160	220	10	0	10	\$11.80	\$16.30	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	4	790	1,110	30	20	50	\$10.90	\$14.20	Moderate-term on-the-job training
47-2061	Construction Laborers	3	1,910	2,530	60	30	90	\$8.00	\$11.10	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	4	100	130	0	0	10	\$12.00	\$15.80	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	5	1,330	1,700	40	30	70	\$12.50	\$16.10	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	5	460	620	20	10	30	\$10.70	\$13.70	Moderate-term on-the-job training
47-2082	Tapers	5	140	190	10	0	10	\$10.50	\$15.80	Moderate-term on-the-job training
47-2111	Electricians	5	1,210	1,630	40	20	70	\$12.40	\$18.70	Long-term on-the-job training
47-2121	Glaziers	4	110	150	0	0	10	\$10.40	\$15.80	Long-term on-the-job training
47-2130	Insulation Workers	1	110	140	0	0	10	\$9.60	\$10.90	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	5	780	1,020	20	10	40	\$10.20	\$14.00	Moderate-term on-the-job training
47-2151	Pipelayers	4	280	390	10	10	20	\$10.20	\$12.80	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	5	580	770	20	10	30	\$13.90	\$17.00	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	3	190	230	10	0	10	\$10.10	\$13.40	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	4	150	190	0	0	10	\$10.30	\$13.90	Long-term on-the-job training
47-2181	Roofers	4	490	640	20	10	30	\$9.00	\$11.90	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	4	140	180	0	0	10	\$10.80	\$15.60	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	4	150	200	10	0	10	\$10.40	\$16.20	Long-term on-the-job training
47-3000 Helpers, Construction Trades			1,520	1,930	40	60	110			
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	1	260	290	0	10	10	\$9.20	\$10.90	Short-term on-the-job training
47-3012	Helpers—Carpenters	3	400	520	10	20	30	\$7.20	\$8.90	Short-term on-the-job training
47-3013	Helpers—Electricians	1	70	90	0	0	10	\$10.50	\$12.50	Short-term on-the-job training
47-3014	Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons	2	280	360	10	10	20	\$7.70	\$9.30	Short-term on-the-job training
47-3015	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters	3	250	300	10	10	20	\$8.70	\$11.20	Short-term on-the-job training
47-3016	Helpers—Roofers	1	80	100	0	0	10	\$7.20	\$8.50	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	2	190	280	10	10	20	\$6.20	\$7.60	Short-term on-the-job training
47-4000 Other Construction and Related Workers			600	830	20	10	40			
47-4011	Construction and Building Inspectors	5	130	190	10	0	10	\$12.40	\$18.30	Related Work Experience
47-4041	Hazardous Materials Removal Workers	5	90	120	0	0	10	\$12.70	\$17.80	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	5	280	400	10	0	20	\$11.90	\$15.30	Moderate-term on-the-job training
47-4999	Construction Trades and Related Workers, All Other (OES Only)	3	50	60	0	0	0	\$8.20	\$13.20	Moderate-term on-the-job training
47-5000 Extraction Workers			2,470	2,770	30	70	100			
47-5011	Derrick Operators, Oil and Gas	3	130	140	0	0	10	\$13.00	\$16.30	Moderate-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	2	70	80	0	0	0	\$15.00	\$19.60	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	4	420	460	10	10	20	\$11.50	\$16.50	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	4	70	90	0	0	0	\$12.00	\$13.80	Moderate-term on-the-job training
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	2	70	80	0	0	0	\$14.50	\$17.60	Moderate-term on-the-job training
47-5041	Continuous Mining Machine Operators	2	280	260	0	10	10	\$17.10	\$19.10	Moderate-term on-the-job training
47-5042	Mine Cutting and Channelling Machine Operators	5	410	530	10	10	20	\$20.60	\$20.60	Moderate-term on-the-job training
47-5061	Roof Bolters, Mining	2	80	60	0	0	0	\$15.50	\$16.60	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	3	550	620	10	20	20	\$9.00	\$11.90	Moderate-term on-the-job training
47-5081	Helpers—Extraction Workers	4	360	400	0	10	10	\$10.60	\$14.50	Short-term on-the-job training

* Annual Wages

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Source: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code	STARS	Employment		Annual Openings			Hourly Wage		Training Level	
		2002	2012	Growth	Replace-ments	Total	Entry	Average		
49-0000 Installation, Maintenance, and Repair										
			11,010	14,380	340	260	600			
49-1000 Supervisors of Installation, Maintenance, and Repair Workers			740	970	20	20	40			
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	5	740	970	20	20	40	\$14.10		Related Work Experience
49-2000 Electrical and Electronic Equipment Mechanics, Installers, and Repairers			870	1,030	20	20	40			
49-2011	Computer, Automated Teller, and Office Machine Repairers	1	70	100	0	0	0	\$7.70	\$11.80	Postsecondary vocational training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	3	350	370	0	10	10	\$17.00	\$22.50	Long-term on-the-job training
49-2092	Electric Motor, Power Tool, and Related Repairers	0	60	70	0	0	0	\$7.40	\$11.60	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	4	130	170	0	0	10	\$13.00	\$18.40	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	3	140	170	0	0	10	\$21.50	\$27.50	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	3	60	90	0	0	0	\$8.30	\$13.60	Postsecondary vocational training
49-3000 Vehicle and Mobile Equipment Mechanics, Installers, and Repairers			4,200	5,440	130	110	240			
49-3011	Aircraft Mechanics and Service Technicians	4	70	90	0	0	0	\$12.20	\$18.10	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	5	400	530	10	10	20	\$9.10	\$15.90	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	4	1,620	2,160	50	40	100	\$8.80	\$14.60	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	4	960	1,220	30	30	50	\$11.60	\$15.50	Postsecondary vocational training
49-3041	Farm Equipment Mechanics	0	70	80	0	0	0	\$9.50	\$13.50	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	5	440	520	10	10	20	\$13.80	\$18.00	Postsecondary vocational training
49-3051	Motorboat Mechanics	4	60	80	0	0	0	\$11.40	\$13.90	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	3	80	110	0	0	10	\$7.20	\$11.20	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	4	50	70	0	0	0	\$11.10	\$14.20	Long-term on-the-job training
49-3093	Tire Repairers and Changers	2	350	430	10	20	20	\$6.60	\$8.90	Short-term on-the-job training
49-9000 Other Installation, Maintenance, and Repair Occupations			5,200	6,950	170	110	280			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	4	60	90	0	0	0	\$11.70	\$16.50	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	5	580	860	30	10	40	\$10.40	\$14.20	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	5	470	600	10	10	20	\$15.30	\$22.00	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	4	2,490	3,340	90	50	130	\$8.50	\$13.60	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	3	200	230	0	0	10	\$9.10	\$13.60	Short-term on-the-job training
49-9044	Millwrights	3	60	70	0	0	0	\$17.10	\$19.60	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	5	310	380	10	10	20	\$12.00	\$19.70	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	4	270	350	10	10	20	\$9.00	\$14.40	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	1	60	70	0	0	0	\$11.40	\$16.60	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	4	60	80	0	0	0	\$10.00	\$15.20	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	3	300	400	10	10	20	\$6.70	\$10.00	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	4	160	220	10	0	10	\$9.90	\$15.60	Moderate-term on-the-job training

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Growth	Annual Openings		Hourly Wage		Training Level
			2002	2012		Replace-ments	Total	Entry	Average	
51-0000 Production Occupations			17,960	21,840	400	440	830			
51-1000 Supervisors, Production Workers			1,340	1,680	30	30	60			
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	5	1,340	1,680	30	30	60	\$10.50	\$18.80	Related Work Experience
51-2000 Assemblers and Fabricators			3,310	3,770	50	90	130			
51-2022	Electrical and Electronic Equipment Assemblers	0	310	280	0	10	10	\$8.80	\$10.70	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	1	190	230	0	10	10	\$8.90	\$11.90	Moderate-term on-the-job training
51-2092	Team Assemblers	4	2,100	2,420	30	50	90	\$9.10	\$11.90	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	5	630	750	10	20	30	\$7.90	\$16.20	Moderate-term on-the-job training
51-3000 Food Processing Workers			1,460	1,900	50	30	80			
51-3011	Bakers	2	150	210	10	0	10	\$6.30	\$9.30	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	3	260	320	10	10	10	\$8.30	\$12.60	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	2	390	520	10	10	20	\$7.80	\$9.20	Short-term on-the-job training
51-3023	Slaughterers and Meat Packers	2	370	500	10	10	20	\$7.40	\$9.30	Moderate-term on-the-job training
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	0	70	80	0	0	0	\$7.10	\$10.20	Short-term on-the-job training
51-3092	Food Batchmakers	1	180	220	0	10	10	\$10.50	\$12.50	Short-term on-the-job training
51-4000 Metal Workers and Plastic Workers			2,790	3,450	70	70	140			
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	3	110	130	0	0	0	\$10.50	\$15.10	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	1	100	120	0	0	10	\$8.60	\$11.70	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	3	130	170	0	0	10	\$8.90	\$11.40	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal	0	90	110	0	0	0	\$8.20	\$10.40	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	3	150	180	0	0	10	\$9.70	\$16.70	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	0	50	60	0	0	0	\$6.30	\$8.70	Moderate-term on-the-job training
51-4041	Machinists	5	610	740	10	10	30	\$12.30	\$16.60	Long-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1	100	120	0	0	10	\$7.30	\$10.40	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1	110	130	0	0	10	\$9.90	\$12.40	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	5	980	1,270	30	30	60	\$10.60	\$14.90	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	1	50	50	0	0	0	\$10.40	\$12.40	Moderate-term on-the-job training
51-5000 Printing Workers			590	720	10	10	30			
51-5011	Bindery Workers	0	80	80	0	0	0	\$7.90	\$9.50	Short-term on-the-job training
51-5021	Job Printers	3	120	170	0	0	10	\$10.30	\$14.10	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	1	170	190	0	0	10	\$7.60	\$11.70	Long-term on-the-job training
51-5023	Printing Machine Operators	1	210	270	10	10	10	\$6.60	\$11.10	Moderate-term on-the-job training
51-6000 Textile, Apparel, and Furnishings Workers		11	1470	1840	40	30	70			
51-6011	Laundry and Dry-Cleaning Workers	2	370	510	10	10	20	\$6.80	\$8.20	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	0	50	70	0	0	0	\$7.10	\$7.60	Short-term on-the-job training
51-6031	Sewing Machine Operators	3	430	560	10	10	20	\$7.80	\$11.30	Moderate-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	3	70	80	0	0	0	\$8.80	\$12.70	Moderate-term on-the-job training
51-6093	Upholsterers	3	450	480	0	10	20	\$9.60	\$14.60	Long-term on-the-job training
51-7000 Woodworkers			1,040	1,280	30	30	50			
51-7011	Cabinetmakers and Bench Carpenters	4	670	850	20	20	40	\$8.50	\$11.70	Long-term on-the-job training
51-7021	Furniture Finishers	0	80	90	0	0	0	\$8.00	\$11.40	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	0	110	110	0	0	0	\$7.60	\$11.90	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	0	110	130	0	0	0	\$7.80	\$10.20	Moderate-term on-the-job training
51-8000 Plant and System Operators			960	1,210	30	30	60			
51-8013	Power Plant Operators	4	300	350	10	10	10	\$21.70	\$27.00	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	5	250	380	10	10	20	\$11.90	\$16.20	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	3	160	180	0	10	10	\$15.00	\$17.70	Long-term on-the-job training
51-8092	Gas Plant Operators	4	130	160	0	0	10	\$18.50	\$23.00	Long-term on-the-job training
51-8099	Plant and System Operators, All Other	2	60	60	0	0	0	\$16.00	\$18.80	Long-term on-the-job training

* Annual Wages

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Source: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Annual Openings			Hourly Wage		Training Level
			2002	2012	Growth	Replace-ments	Total	Entry	Average	
51-9000	Other Production Occupations		5,000	5,990	100	120	220			
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	3	70	80	0	0	0	\$11.40	\$14.00	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	3	190	210	0	10	10	\$11.50	\$15.00	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	1	110	130	0	0	10	\$8.80	\$11.30	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1	130	140	0	0	0	\$8.00	\$11.70	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	1	60	80	0	0	0	\$6.90	\$8.70	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	3	80	110	0	0	10	\$10.30	\$13.60	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	0	110	130	0	0	10	\$8.70	\$11.10	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5	550	650	10	10	20	\$9.70	\$15.60	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	1	50	70	0	0	0	\$9.00	\$16.60	Postsecondary vocational training
51-9081	Dental Laboratory Technicians	4	50	70	0	0	0	\$9.40	\$14.40	Long-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	0	50	60	0	0	0	\$8.30	\$10.60	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	3	750	980	20	20	40	\$7.90	\$10.70	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1	130	170	0	0	10	\$7.80	\$10.30	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	5	60	90	0	0	0	\$11.70	\$15.30	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	1	50	60	0	0	0	\$6.60	\$10.20	Short-term on-the-job training
51-9132	Photographic Processing Machine Operators	0	70	90	0	0	0	\$8.00	\$11.90	Short-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	0	70	90	0	0	0	\$9.30	\$11.30	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1	170	210	10	0	10	\$8.20	\$10.20	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	3	990	1,190	20	30	50	\$7.60	\$10.60	Short-term on-the-job training
51-9199	Production Workers, All Other	3	1,070	1,150	10	30	30	\$9.70	\$12.30	Moderate-term on-the-job training

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Sourc: Utah Department of Workforce Services.

Utah NonMetro Occupational Projections 2002 - 2012

SOC Code		STARS	Employment		Annual Openings		Hourly Wage		Training Level	
			2002	2012	Growth	Replace-ments	Total	Entry		Average
53-0000	Transportation and Material Moving Occupations		18,160	23,520	540	380	920			
53-1000	Supervisors, Transportation and Material Moving Occupations		990	1,300	30	20	50			
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	5	270	340	10	10	10	\$12.00	\$19.00	Related Work Experience
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle O	5	700	920	20	20	40	\$10.50	\$16.10	Related Work Experience
53-2000	Air Transportation Workers		210	270	10	10	10			
53-2011	Airline Pilots, Copilots, and Flight Engineers	4	120	150	0	0	10			Bachelor's degree
53-3000	Motor Vehicle Operators		9,660	13,220	360	150	510			
53-3021	Bus Drivers, Transit and Intercity	2	200	260	10	0	10	\$7.60	\$10.40	Moderate-term on-the-job training
53-3022	Bus Drivers, School	3	1,460	1,980	50	30	80	\$9.70	\$13.10	Short-term on-the-job training
53-3031	Driver/Sales Workers	4	420	520	10	10	20	\$9.10	\$13.90	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5	5,640	7,730	210	90	300	\$9.60	\$14.80	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	3	1,500	2,180	70	10	80	\$7.40	\$11.70	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	1	330	410	10	0	10	\$6.90	\$8.70	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	2	90	110	0	0	0	\$14.20	\$18.20	Short-term on-the-job training
53-4000	Rail Transportation Workers		170	160	0	0	0			
53-4011	Locomotive Engineers	2	70	60	0	0	0	\$19.80	\$19.90	Related Work Experience
53-4031	Railroad Conductors and Yardmasters	2	60	60	0	0	0	\$19.90	\$19.90	Related Work Experience
53-6000	Other Transportation Workers		350	440	10	10	20			
53-6031	Service Station Attendants	2	260	330	10	10	20	\$6.50	\$8.80	Short-term on-the-job training
53-6051	Transportation Inspectors	2	50	50	0	0	0	\$12.50	\$15.90	Related Work Experience
53-7000	Material Moving Workers		6,770	8,130	140	180	320			
53-7011	Conveyor Operators and Tenders	2	60	60	0	0	0	\$9.20	\$14.40	Short-term on-the-job training
53-7021	Crane and Tower Operators	3	80	90	0	0	0	\$15.00	\$19.20	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	5	290	370	10	10	20	\$12.90	\$15.90	Moderate-term on-the-job training
53-7033	Loading Machine Operators, Underground Mining	2	150	140	0	0	0	\$12.20	\$16.50	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	4	780	990	20	20	40	\$8.80	\$11.80	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	2	460	570	10	20	30	\$6.30	\$7.90	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2	2,090	2,490	40	70	110	\$6.40	\$9.10	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	1	160	190	0	0	10	\$8.30	\$12.10	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	2	1,430	1,830	40	30	70	\$6.10	\$7.40	Short-term on-the-job training
53-7073	Wellhead Pumpers	2	120	120	0	0	0	\$14.30	\$19.20	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	4	710	840	10	20	30	\$8.80	\$13.70	Short-term on-the-job training
53-7111	Shuttle Car Operators	2	170	120	0	0	0	\$19.30	\$20.20	Short-term on-the-job training
53-7199	Material Moving Workers, All Other	3	190	220	0	10	10	\$11.50	\$14.30	Moderate-term on-the-job training

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